

# Review of: "Limitations of and Lessons from the Learning of Large Language Models"

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The work presents an interesting discussion about the ability of LLMs to perform logical reasoning. The author presents an argument, based on the Curry-Howard correspondence, that LLMs may not be able to deduce proofs that need classical reasoning due to their limit on tokens produced. Since classical proofs need to use continuations to reach contradictions, large proofs could outreach the deduction capacity of LLMs.

While the author's argument is sound from a theoretical point of view (computations in CPS are much more verbose), it would be interesting to find a concrete example of such deduction limitations.

I'd suggest the author consider the work "A formulae-as-type notion of control" by Griffin TG as useful for the discussion of the Curry-Howard correspondence for classical logics.